

# Forman Christian College

(A Chartered University)



Estd 1864

**Course Atlas**  
**(Incoming freshmen)**  
**Spring 2012 Semester**

**COURSE ATLAS**  
**SPRING 2012 SEMESTER**

**NOTE:** It is the student’s responsibility to read the atlas carefully. Not knowing this information is **NOT** an excuse. Failure to meet the prerequisites will result in withdrawal from the class.

<u>C</u>	<u>O</u>	<u>N</u>	<u>T</u>	<u>E</u>	<u>N</u>	<u>T</u>	<u>S</u>
1.	Biological Sciences .....						4
2.	Business Management .....						5
3.	Chemistry .....						5
4.	Computer Science / IT .....						7
5.	Economics .....						8
6.	Education .....						9
7.	English .....						10
8.	Environmental Sciences .....						12
9.	Geography .....						12
10.	Health & Physical Education .....						13
11.	History and Pakistan Studies .....						13
12.	Mass Communication .....						14
13.	Mathematics .....						15
14.	Philosophy .....						15
15.	Physics .....						16
16.	Political Science .....						17
17.	Psychology .....						18
18.	Religious Studies .....						18
19.	Sociology .....						19
20.	Statistics .....						20
21.	Urdu .....						21

## The General Education Distribution Requirement for FRESHMEN

Students must complete the designated number of credit hours each of the four divisions of the curriculum listed below.

	<b>Course</b>	<b>Number of courses</b>	<b>Credit Hours</b>
<b>a.</b>	<b>Humanities</b>	<b>6</b>	<b>18</b>
	1) Written and Oral Communications	4	12
	2) Islamic Studies / Ethics	1	3
	3) Humanities and Arts	1	3
<b>b.</b>	<b>Social or Behavioral Sciences</b>	<b>3</b>	<b>9</b>
	1) Pakistan Studies	1	3
	2) Others Social Science or Behavioral Science Courses	2	6
<b>c.</b>	<b>Science and Mathematics</b>	<b>5</b>	<b>17 or 18</b>
	1) Must include at least two science courses (Not from the same discipline)	2	8
	2) Must include at least one Mathematics Course	1	3
	3) Must include at least one Computer Science Course	1	3
	4) One other course in either Science, Math, Statistics, Logic or Computer Science	1	3 or 4
<b>d.</b>	University 100: Foundations of University Education	1	3 or 4
	<b>Total</b>	<b>15</b>	<b>47 or 48</b>

### a) HUMANITIES (6 COURSES 18 CREDITS)

All students must complete the following **FOUR** courses in Written and Oral Communications.

#### **Written communication**

**ENGL 101:** Written and Grammar

**ENGL 103:** Advanced Writing Skills

**URDU 101:** Communicative Urdu

#### **Oral communication**

**MCOM 100:** Fundamentals of Speech

*Students who believe that they have the knowledge and skills necessary to pass the competency examinations in written Urdu or written English or Spoken English may take the competency examinations at the beginning of the Freshman year. If they pass the competency examinations they will be exempted from the relevant specific required course and they may, instead, take advanced courses in those areas.*

A student must take **ONE** course in Islamic Studies/Ethics plus **ONE** course selected from the following disciplines. **English, Urdu, History, Religious studies, Philosophy, Foreign Languages, Arts, Music, Drama and Mass Communications.**  
**SOCIAL AND BEHAVIORAL SCIENCE (3 COURSES-9 CREDITS)**

A student must take **ONE** Pakistan Studies course and at least, **TWO** Courses from the following disciplines: **Economics, Education, Geography, Pakistan Studies, Political Science, Anthropology, Psychology and Sociology.**

**SCIENCE AND MATHEMATICS (5 COURSES 17 OR 18 CREDITS)**

Students must take

- Must include at least **TWO Science courses** (Not from the same discipline)
- Must include at least **ONE Mathematics Course**
- Must include at least **ONE Computer Science Course**
- **ONE** other course in either **Science, Math, Statistics, Logic or Computer Science**

**UNIVERSITY 100: FOUNDATIONS OF UNIVERSITY EDUCATION**  
**(1 COURSE-3 CREDITS)**

- Prerequisite Lang 110(or exempted from the Language program)
- All entering students must take University 100 during their first semester or after they have finished the LANG program.
- *Transfers with 60 or more credits are exempted.*

## **BIOLOGICAL SCIENCES**

### **BIOL 100: Introductory Biology**

**(4 credits)**

*Only for students who have not studied Biology in higher secondary school or A level or equivalent*

The course includes basic concepts of Biology with cell as a building block, its function, reproduction, genetics and inheritance, basic concepts in evolution, ecology and principles of living systems. The course is designed to provide to the non science students an overview of modern Biology and to elucidate its importance in every day life.

Section B	Monday, Wednesday, Friday 2:00	S-410	Dr. A. S. Khan
LAB	Monday 10:00 & 11:00	S-321	
Section C	Tuesday, Thursday 8:00-9:15	S-410	Dr. H. Saeed
LAB	Friday 8:00 & 9:00	S-329	
Section D	Tuesday, Thursday 2:00-3:15	S-410	Dr. H. Saeed
LAB	Wednesday 8:00 & 9:00	S-329	
Section E	Monday, Wednesday, Friday 10:00	S-425	T. S. Khan
LAB	Monday 2:00 & 3:00	S-329	
Section F	Tuesday, Thursday 12:30-1:45	S-416	Dr. W. George
LAB	Friday 2:00 & 3:00	S-341	
Section G	Tuesday, Thursday 9:30-10:45	S-416	U. Mubeen
LAB	Tuesday 11:00 & 12:00	S-321	
Section H	Monday, Wednesday, Friday 9:00	S-417	U. Mubeen
LAB	Monday 2:00 & 3:00	S-321	
Section J	Tuesday, Thursday 11:00-12:15	S-416	Dr. M. R. Siddiqi
LAB	Tuesday 2:00 & 3:00	S-329	

### **BIOL 102: Introductory Plant Biology**

**(4 credits)**

*Only for students who have studied Biology in higher secondary school/A -Level or equivalent*

This course covers the structure-function relationship of plants, basic principles of genetics and molecular genetics and Biotechnology as well as its use in modifying plants. Ecosystems, environmental issues and the relevance of flowering plants in human life are also examined.

Section A	Monday, Wednesday, Friday 11:00	S-416	Dr. M. R. Siddiqi
LAB	Monday 8:00 & 9:00	S-331	
Section B	Monday, Wednesday, Friday 9:00	S-410	Dr. M. W. Hussain
LAB	Tuesday 11:00 & 12:00	S-331	

### **BIOL 105: General Zoology**

**(4 credits)**

*Only for students who have studied Biology in higher secondary school/A- Level or equivalent*

The structure, functions, ecology and evolution of all major animal groups including invertebrates and chordates. The origin of multicellular forms and basic environmental factors affecting them.

Section A	Monday, Wednesday, Friday 8:00	S-417	Dr. K. Z. Rasib
LAB	Wednesday 10:00 & 11:00	S-341	
Section B	Tuesday, Thursday 8:00-9:15	S-425	Dr. K. Z. Rasib
LAB	Thursday 2:00 & 3:00	S-341	

## **BUSINESS MANAGEMENT**

### **BUSN 121: Microeconomics**

**(3 credits)**

Fundamentals of economics including price theory and applications, industry and market structure, equilibrium analysis and welfare economics.

Section A	Tuesday, Thursday 8:00-9:15	E-103	TBD
Section B	Tuesday, Thursday 9:30-10:45	E-103	TBD

### **BUSN 160: Management Communications**

**(3 credits)**

Introduction to verbal and written communication theory and practice, with focus on individual oral and written skills in letter and memo writing, use of emails, presentations and preparing reports.

Section A	Tuesday, Thursday 3:30-4:45	E-025	Z. Bhutta
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## **CHEMISTRY**

### **CHEM 100: Introduction to Chemistry**

**(3+1 credits)**

*Only open to students who have not taken Chemistry at the F.Sc. and A-Level*

Chemistry as Basic Science, Matter and States of Matter, Classification of elements, Evolution of atomic theory and basic concept of radioactivity with reference to atomic structure, Concept of mole and elementary stoichiometric calculations, acids and basis, elementary redox reactions and electrochemical cells, health safety and environmental aspects of Chemistry.

Section A	Monday, Wednesday, Friday 12:00	S-216	Dr. A. M. Khan
Lab	Tuesday 12:30-1:45	S-148	
Section B	Tuesday, Thursday 11:00-12:15	S-216	S. Azeem
Lab	Friday 10:00 & 11:00	S-138	

### **CHEM 110: Introduction to Inorganic Chemistry**

**(3+1 credits)**

*Prerequisite: F.Sc. or A-Level Chemistry*

Introduction to the foundations of Chemistry including electronic structure of atoms, ions and molecules, quantum numbers, periodic classification, chemical bonding and theories i.e. VBT, MOT for simple homonuclear and diatomic heteronuclear molecules, VSEPR theory and shape of molecules, chemical equilibria; acid-base chemistry, redox reactions and electrochemical series.

Section A	Tuesday, Thursday 8:00-9:15	S-216	Dr. M. N. Asghar
Lab	Friday 10:00-11:45	S-148	
Section B	Tuesday, Thursday 2:00-3:15	S-216	S. Azeem
Lab	Wednesday 12:00 - 1:45	S-138	
Section C	Monday, Wednesday, Friday 2:00	S-216	S. Azeem
Lab	Monday 12:00-1:45	S-138	

**CHEM 114: Introduction to Organic and Biochemistry (3+1 credits)**

*Prerequisite: F.Sc. or A-Level Chemistry*

Chemistry of carbon; introduction to functional groups inter-conversion; study of hydrocarbons; study of hydrocarbons including additions to multiple bonds and substitution reactions of benzene; Chemistry of food and its components including carbohydrates, proteins, lipids, vitamins and minerals.

Section A	Tuesday, Thursday 11:00-12:15	S-215	Dr. S. Jelani
Lab	Friday 10:00 & 11:00	S-135	

**CHEM 117: Chemistry I (3+1 credits)**

*Prerequisite: F.Sc. or A-Level Chemistry*

Basic concepts of thermodynamics, thermochemistry, quantum mechanics, and atomic structure. Empirical properties of gases, deviation from ideal behavior, intramolecular forces, physical properties of liquids and solids, packing types and geometry of solids, crystal structure, Bragg's law and its applications, Basic concepts of chemical kinetics, differential and integrated rate laws, order of reactions and molecularity, Arrhenius equation, experimental determination of order of reaction and rate constants, factors affecting rates of reaction, chemical equilibrium and equilibrium constant, surface phenomenon: surface energy, surface tension and its measurement.

Section A	Monday, Wednesday, Friday 9:00	S-216	Dr. A. Y. Khan
Lab	Tuesday 8:00-9:15	S-148	

## **COMPUTER SCIENCE / IT**

### **COMP 102: Programming I**

**(3 credits) (2+2)**

Introduces students to the basic skills of problem solving and programming. It emphasizes problem analysis, algorithm design, program development and testing. It provides a solid foundation in structured design techniques and introduces the object oriented thought process and basic tools.

Section A	Tuesday, Thursday 9:00 - 10:50	S-218	S. Anwar
Section B	Monday, Wednesday 9:00-10:50	S-218	Dr.S.Abbasi

### **COMP 111: Programming II**

**(3 credits) (2+2)**

*Prerequisite: COMP 102*

Continues the topics begun in COMP 102, shifting the emphasis to object oriented principles and techniques. Classes, inheritance and class hierarchy and polymorphism are fully explored and basic data structures are introduced. Other topics include simple analysis of algorithms, basic searching and sorting techniques.

Section A	Tuesday, Thursday 11:00 - 12:50	S-218	Dr. I. H. Shah
Section B	Tuesday, Thursday 10:00 - 11:50	S-320	Z. A. Shah

### **COMP 113: Discrete Mathematics**

**(3 credits)**

*Prerequisite: MATH 101 or A-Level or Intermediate Mathematics*

Introduces the foundations of discrete mathematics as they apply to Computer Science, focusing on providing a solid theoretical foundation for further work. Further, this course aims to develop understanding and appreciation of the finite nature inherent in most Computer Science problems and structures through study of combinatorial reasoning, Abstract algebra, Iterative procedures, Predicate calculus, Tree and graph structures, Eulerian and Hamiltonian graphs.

Section A	Tuesday, Thursday 9:00-10:15	S-316	N. Sheikh
Section B	Monday, Wednesday, Friday 2:00	S-317	Dr.S.Abbasi

### **CSCS 100: Introduction to Computing**

**(3 credits)**

*Not open to students registered in the BS (Computing) program*

An introduction to the computer science discipline, Including an introduction to computing environments, general application software, computing hardware, operating systems, desktop publishing, internet, software applications and tools and computer usage concepts; Introducing software engineering and information technology within the broader domain of computing.

Section A	Monday 8:00 & 9:00, Wednesday 8:00	S-319	S. Anwar
Section B	Monday 10:00, Wednesday 9:00 & 10:00	S-319	B. A. Bajwa
Section C	Monday 11:00, Wednesday 11:00 & 12:00	S-319	N. Sheikh
Section D	Monday 12:00 & 1:00, Wednesday 1:00	S-319	Z. A. Shah
Section E	Monday 2:00 & 3:00, Wednesday 2:00	S-319	R. Aden
Section F	Tuesday 1:00-1:50, Thursday 1:00- 2:50	S-319	R. Aden
Section G	Tuesday 10:00-10:50, Thursday 9:00-10:50	S-319	A. Imtiaz
Section H	Tuesday 2:00-3:50, Thursday 3:00-3:50	S-319	Z. A. Shah

## ECONOMICS

### **ECON 100: Basic Economics**

**(3 credits)**

This is a basic course of Economics for all disciplines, which would educate students about micro as well as macro economics. The course shall help students to increase understanding about basic concepts of Economics such as demand, supply, allocation of resources, opportunity cost, national income, inflation and unemployment etc.

**Note: Those students who have not studied Economics at FA/FSc or O level/A level, they must take this course before registering Econ 101 and Econ 102. This course is counted towards General Education credits. Economics seniors and juniors are not allowed to register this course.**

Section A	Monday, Wednesday, Friday 8:00	E-214	Z. Iqbal
Section B	Monday, Wednesday, Friday 8:00	E-221	Dr. B. Aziz
Section C	Monday, Wednesday, Friday 10:00	E-202	Dr. S. H. Syed
Section D	Tuesday, Thursday 9:30-10:45	E-214	Z. Mall
Section E	Monday, Wednesday, Friday 12:00	E-203	Dr. S. H. Syed
Section F	Monday, Wednesday, Friday 11:00	E-214	S. A.Abbas
Section G	Monday, Wednesday, Friday 2:00-2:50	E-214	Dr.B.Aziz

### **ECON 101: Microeconomics I**

**(3 credits)**

Microeconomics I is a core course for majoring in Economics. It introduces the students to the basic method and subject matter of microeconomics. The course covers consumer behavior theory; Producer theory; Cost theory; Output and price strategies under perfect and imperfect competition market structure.

**Note: An important objective of the course is to provide a base for other courses to be taken for major in Economics.**

Section A	Monday, Wednesday, Friday 11:00	E-202	Dr. R. Martin
Section B	Monday, Wednesday, Friday 11:00	E-221	Dr. B. Aziz
Section C	Tuesday, Thursday 9:30-10:45	E-221	U. Hanif
Section D	Tuesday, Thursday 12:30-1:45	E-333	U. Hanif

### **ECON 102: Macroeconomics**

**(3 credits)**

The primary goal of this course is to introduce key macroeconomics concepts. This course emphasizes national income accounting and determination through Keynesian cross. Consumption, saving and investment theories; Money supply and demand; QTM, inflation and unemployment; And the short period fluctuations in an economy and stabilization policies.

**Note: An important objective of the course is to provide a base for other courses to be taken for major in Economics.**

Section A	Tuesday, Thursday 11:00-12:15	E-333	S. A.Abbas
Section B	Monday, Wednesday, Friday 8:00	E-333	Dr. R. Aslam
Section C	Monday, Wednesday, Friday 9:00	E-202	A. J. Khan
Section D	Monday, Wednesday, Friday 10:00	E-214	Dr. T. Ahmed

**ECON 103: Mathematics for Economists**

**(3 credits)**

The nature of mathematical economics; Real number system, Set theory and economics, Comparative static analysis, Linear models and matrix algebra, Tools of algebra and calculus, Application of calculus in economics, Tools of comparative static, Optimization of one and multivariable functions and its economic application and Optimization with constraints.

Section A	Monday, Wednesday, Friday 10:00	E-333	G. Shabir
Section B	Tuesday, Thursday 9:30-10:45	E-333	A. Batool

**EDUCATION**

**EDUC 110: Foundations of Education**

**(3 credits)**

Perspectives on Economic, Cultural, Political, Ideological, Philosophical, Aesthetic and Psychological foundations of education. The history of education in Pakistan will also be covered.

Section A	Tuesday, Thursday 8:00-9:15	E-331	Dr. J. Shafi
Section B	Tuesday, Thursday 11:00-12:15	N-217	Dr. C. J. Dubash
Section C	Monday, Wednesday, Friday 12:00	E-331	A. Samuel

**EDUC 120: Educational Psychology**

**(3 credits)**

Principles of Psychology as applied to the educational process; Characteristics of the individual learner, the teacher, the classroom, methods and other relevant factors in the learning process; Various stages of growth and development; Brief introduction to psychological measurements and creativity in children.

Section A	Tuesday, Thursday 9:30-10:45	E-331	Dr. J. Shafi
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**UNIV 100: Foundation of University Education**

**(3 credits)**

*Prerequisites: Lang 110 (or exempted from the Language Program)*

This course is especially designed for university freshmen. All entering students must take University 100 during their first semester or after they have finished the Lang program. This course helps them to make the best use of their years of the university study at FC College (University). Each student will become more aware of his or her strengths and weaknesses in learning by working on a variety of skills. By examining their values and developing learning strategies this course will help students become successful in FCC's liberal arts program. Transfers with 60 or more credits are exempt.

Section A	Monday, Wednesday, Friday 8:00	E-323	Uzama Hanif
Section C	Monday, Wednesday, Friday 10:00	E-323	Aneela Gill
Section D	Tuesday, Thursday 8:00-9:15	E-323	Saira.M.Khan
Section E	Tuesday, Thursday 9:30-10:45	E-323	W. Waheed
Section F	Monday, Wednesday, Friday 12:00	E-323	Dr.F.Hameed
Section G	Tuesday, Thursday 11:00-12:15	E-323	Sadia Sumbal
Section H	Tuesday, Thursday 12:30-1:45	E-323	Qurat ul Aen
Section J	Monday, Wednesday, Friday 11:00	E-323	Rehna John

## **ENGLISH**

### **ENGL 101: Writing and Grammar**

**(3 credits)**

This course aims at helping the students on their written communication skills. It develops their writing from shaping a simple paragraph to organizing an essay in English. The course offers students ample practice in the use of grammar structures in a meaningful manner by note-taking, brainstorming, thinking, reflecting and arranging ideas logically in the form of paragraphs and then editing, revising and proofreading these ideas-based paragraphs. Apart from being exposed to different other types of writings like letter, memo, summary and diary, the students will mainly learn to write in their own words a coherent essay of various kinds, like narrative, process, descriptive, classified, analytical, argumentative, and comparison and contrast, etc..

<i>Section A</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>E-231</i>	<i>A. Pervez</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>E-231</i>	<i>A. Gill</i>
<i>Section C</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-231</i>	<i>F. Zaheer</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>E-231</i>	<i>F. Syeda</i>
<i>Section E</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>E-231</i>	<i>F. Syeda</i>
<i>Section F</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-103</i>	<i>TBD</i>
<i>Section H</i>	<i>Tuesday, Thursday 8:00-09:15</i>	<i>E-231</i>	<i>N. I. Ahmad</i>
<i>Section K</i>	<i>Tuesday, Thursday 11:00-12:15</i>	<i>E-231</i>	<i>S. Raees</i>

### **ENGL 102: Communication Skills**

**(3 credits)**

Emphasis will be on the development of basic conversational skills, identifying the main ideas of conversations, lectures, and other spoken texts; recognizing and understanding stressed and reduced sounds in words and sentences; practice deriving the meaning of new words from the context, making inferences from what is heard, and basic note-taking skills for participating successfully in social conversation and academic discussions; improving pronunciation.

<i>Section A</i>	<i>Tuesday, Thursday 11:00- 12:15</i>	<i>E-205</i>	<i>M. W. Azeem</i>
<i>Section B</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>E-205</i>	<i>A. Gill</i>

**ENGL 103: Advanced Writing Skills**

**(3 credits)**

ENGL 103 offers practice in writing skills at a more advanced level as compared to ENGL 101. In many ways it complements ENGL 101 and combines the techniques of purposeful writing with more specialized skills based on wider yet focused readings. It helps students present clearer concepts by offering them exercises in higher order critical and intellectual thinking along with professional ways of citing references

Section A	Monday, Wednesday, Friday 8:00	E-204	Zamir Naqvi
Section B	Monday, Wednesday, Friday 9:00	E-204	A. Wasim
Section C	Monday, Wednesday, Friday 10:00	E-204	L. Masih
Section D	Monday, Wednesday, Friday 11:00	E-204	A. Alphonse
Section E	Monday, Wednesday, Friday 12:00	E-204	S. Z. Zamir
Section F	Monday, Wednesday, Friday 2:00	E-204	Dr. N. Langah
Section G	Monday, Wednesday, Friday 3:00	E-204	Zamir Naqvi
Section H	Tuesday, Thursday 8:00-09:15	E-204	TBD
Section J	Tuesday, Thursday 9:30-10:45	E-204	S. Z. Zamir
Section K	Tuesday, Thursday 11:00-12:15	E-204	J. J. Austin
Section L	Tuesday, Thursday 12:30-01:45	E-204	J. J. Austin
Section M	Tuesday, Thursday 2:00-03:15	E-204	Dr. I. Hasan
Section N	Tuesday, Thursday 2:00-03:15	E-205	L. Masih
Section P	Monday, Wednesday, Friday 9:00	E-222	N. I. Ahmad
Section Q	Tuesday, Thursday 08:00-09:15	E-202	TBD
Section R	Tuesday, Thursday 09:30-10:45	E-203	W. Azeem
Section S	Monday, Wednesday, Friday 2:00	E-231	R. John
Section T	Tuesday, Thursday 12:30-01:45	E-202	N. I. Ahmad
Section U	Tuesday, Thursday 2:00-03:15	E-231	R. John
Section V	Tuesday, Thursday 11:00-12:15	E-222	A. Alphonse
Section W	Tuesday, Thursday 12:30-01:45	E-222	TBD
Section Y	Tuesday, Thursday 2:00-03:15	E-222	A. Alphonse
Section Z	Tuesday, Thursday 9:30-10:45	E-231	TBD
Section AA	Monday, Wednesday, Friday 11:00	E-103	TBD

**ENGL 104: History of Literature**

**(3 credits)**

The course focuses on various ages and movements that have influenced literature over centuries. This historical survey helps to analyze the social and cultural background to literature in English in the West.

Section A	Monday, Wednesday, Friday 8:00	E-222	S. Raees
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**LANG 100: Language Skills I**

**(3 credits)**

This course will make the students attain Interpersonal communication skills and enough reading and writing practice for them to move to LANG 110. Practice in all four language skills will be a daily routine. Supplementary materials will be used to improve vocabulary and comprehension.

Section A	Monday – Friday	8:00-10:30	N-213	TBD
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**LANG 110: Language Skills II (3 credits)**

Advanced grammar, vocabulary, reading and writing will be introduced to bring the students to a level where they will fit into the regular University program and fare well.

Section A	Monday – Friday	8:00-10:30	N-214	F. Nagi
Section B	Monday – Friday	8:00-10:30	N-215	N. Hanif

**Environmental Sciences**

**CHEM 114: Introduction to Organic and Biochemistry (3+1 credits)**

*Prerequisite: F.Sc. or A-Level Chemistry*

Chemistry of carbon; introduction to functional groups inter-conversion; study of hydrocarbons; study of hydrocarbons including additions to multiple bonds and substitution reactions of benzene; Chemistry of food and its components including carbohydrates, proteins, lipids, vitamins and minerals.

Section A	Tuesday, Thursday	11:00-12:15	S-215	Dr. S. Jelani
Lab	Friday	10:00 & 11:00	S-135	

**GEOGRAPHY**

**GEOG 101: Fundamentals of Geography (3 credits)**

Builds perspective about Geography as a discipline, familiarizes its thematic domains and fundamental concepts.

Section A	Monday, Wednesday, Friday	9:00	E-227	K. Shakrullah
Section B	Monday, Wednesday, Friday	10:00	A-2	K. Shafique
Section C	Monday, Wednesday, Friday	11:00	E-227	Z. J. Qureshi
Section D	Monday, Wednesday, Friday	12:00	A-2	K. Shafique
Section E	Tuesday, Thursday	9:30-10:45	E-227	Z. J. Qureshi

**GEOG 133: Geographical Profile of Pakistan (3 credits)**

It relates to major features of the physical environment, resources, culture, communications and trade of Pakistan. Analyzes the major problems confronted by Pakistan relating to cross cultural relationships, Socio-economic viability, Environmental conservation, Resource sustainability and Development.

Section A	Monday, Wednesday, Friday	10:00	E-227	S. A. Umar
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## **HEALTH AND PHYSICAL EDUCATION**

### **HPED 102: Football (for boys) (1 credit)**

Football is also both an art and a science. Football contains physical challenges. It involves the techniques of running, passing, kicking, tackling, blocking, heading and dribbling. All these activities require good coordination as they have often to be performed at speed and require offensive and defensive team-work.

*Section A Monday, Wednesday 3:00 L. Centre S. Nazir*

### **HPED 104 Swimming (for girls) (1 credit)**

This course teaches the basics of freestyle swimming.

*Section A Monday, Wednesday 12:00 E-103 U. Y. Zaidi*

### **HPED 105: Volleyball (1 credit)**

The game of Volleyball is a combination of passing, blocking and smashing and requires strength, endurance, and agility. It is a team game.

*Section A Tuesday, Thursday 3:00-3:50(for boys) L. Centre B. Kamil*  
*Section B Tuesday, Thursday 1:00-1:50(for girls) E-122 U. Y. Zaidi*

## **HISTORY AND PAKISTAN STUDIES**

### **PKST 101: Pakistan Studies (Compulsory) (3 credits)**

The Ideology of Pakistan, the Aligarh movement, the Two-Nation theory, Pakistan movement, important events and the creation of Pakistan. Initial problems of Pakistan, constitutional development, Islamization in Pakistan. Land of Pakistan, economic and industrial development in Pakistan. The Islamic World and Pakistan.

<i>Section A</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>S-212</i>	<i>TBD</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>S-212</i>	<i>S. Sumbal</i>
<i>Section C</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>S-212</i>	<i>S. Sumbal</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 2:00</i>	<i>S-212</i>	<i>Dr. A. S. Zehra</i>
<i>Section E</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>S-212</i>	<i>Dr. Y. K. Bangash</i>
<i>Section F</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>S-213</i>	<i>Dr. Y. K. Bangash</i>
<i>Section G</i>	<i>Tuesday, Thursday 2:00-3:15</i>	<i>S-213</i>	<i>K. Jawad</i>
<i>Section H</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>S-413</i>	<i>S. Sumbal</i>
<i>Section J</i>	<i>Tuesday, Thursday 12:30-01:45</i>	<i>S-213</i>	<i>TBD</i>
<i>Section K</i>	<i>Monday, Wednesday, Friday 08:00</i>	<i>S-213</i>	<i>S.Sumbal</i>
<i>Section L</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>S-212</i>	<i>TBD</i>

### **HIST 101: Freedom and the Nationalist Movement in the Subcontinent (1857-1947) (3 credits)**

The freedom movement in the subcontinent, 1857 to 1947, covering all the major events along with a brief survey of nationalist movements and prominent personalities

*Section A Monday, Wednesday, Friday 9:00 S-213 Dr. Y. K. Bangash*

## **MASS COMMUNICATION**

### **MCOM 100: Fundamentals of Speech**

**(3 credits)**

Study of the basic principles and practices of good vocal production and oral communication. Examines texts, verse and prose in terms of vocal delivery. Explores the basic components of communication through analysis and practice in a variety of oral presentations. Focus is on English speaking skills.

<i>Section A</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>E-229</i>	<i>N. Sahar</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-229</i>	<i>N. Sahar</i>
<i>Section C</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>E-229</i>	<i>N. Sahar</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>E-228</i>	<i>TBD</i>
<i>Section E</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>E-228</i>	<i>Qurra-tul-Aen</i>
<i>Section F</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-228</i>	<i>Qurra-tul-Aen</i>
<i>Section G</i>	<i>Tuesday, Thursday 11:00-12:15</i>	<i>E-229</i>	<i>TBD</i>
<i>Section H</i>	<i>Tuesday, Thursday 12:30-1:45</i>	<i>E-229</i>	<i>TBD</i>
<i>Section J</i>	<i>Tuesday, Thursday 11:00-12:15</i>	<i>E-228</i>	<i>A. Fareed</i>
<i>Section K</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>E-228</i>	<i>A. Fareed</i>
<i>Section L</i>	<i>Monday, Wednesday, Friday 2:00</i>	<i>E-229</i>	<i>R. A. Hassan</i>
<i>Section M</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>E-228</i>	<i>A. Fareed</i>
<i>Section N</i>	<i>Monday, Wednesday, Friday 3:00</i>	<i>E-229</i>	<i>R. A. Hassan</i>
<i>Section P</i>	<i>Tuesday, Thursday 2:00-3:15</i>	<i>E-229</i>	<i>R. A. Hassan</i>
<i>Section Q</i>	<i>Tuesday, Thursday 2:00-3:15</i>	<i>E-228</i>	<i>TBD</i>

### **MCOM 101: Introduction to Journalism**

**(3 credits)**

Brief introduction to print electronic and online journalism, types of journalism, news organization, basics of reporting and editing, contents of newspaper, television and radio.

<i>Section A</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-230</i>	<i>Dr. S. Abbas</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>E-230</i>	<i>F. Mahmood</i>
<i>Section C</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>E-229</i>	<i>A. Muzamill</i>
<i>Section D</i>	<i>Tuesday, Thursday 12:30-1:45</i>	<i>E-230</i>	<i>M. Ali</i>
<i>Section E</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>E-230</i>	<i>F. Mahmood</i>

### **MCOM 103: Introduction of PR & Advertising**

**(3 credits)**

Advertising and its role in the society, consumer culture, advertising and mass media marketing, public relations, selling and sales management. Process and tools of PR.

<i>Section A</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>E-230</i>	<i>M. A. Soomro</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-213</i>	<i>M. A. Soomro</i>
<i>Section C</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>E-229</i>	<i>A. Muzamill</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>E-230</i>	<i>A. Muzamill</i>
<i>Section E</i>	<i>Tuesday, Thursday 12:30-1:45</i>	<i>E-228</i>	<i>M. A. Soomro</i>

## **MATHEMATICS**

### **MATH 100: Quantitative Skills**

**(3 credits)**

Basic algebra, percentage, profit, loss, commission, ratio, proportion, zakat deduction, unitary methods, time, velocity, distance, area and other real life applications of Mathematics. Mean, median, mode, data interpretation, introduction to probability.

<i>Section A</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>S-413</i>	<i>K. Azhar</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>S-413</i>	<i>K. Azhar</i>
<i>Section C</i>	<i>Tuesday, Thursday 2:00-3:15</i>	<i>S-413</i>	<i>Y.Abdia</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>S-413</i>	<i>Y.Abdia</i>
<i>Section E</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>S-412</i>	<i>F. Jamil</i>
<i>Section F</i>	<i>Monday, Wednesday, Friday 2:00</i>	<i>S-413</i>	<i>F. Jamil</i>
<i>Section G</i>	<i>Tuesday, Thursday 8:00-9:15</i>	<i>S-413</i>	<i>M. Z. R. Bhatti</i>
<i>Section H</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>S-413</i>	<i>F. Jamil</i>
<i>Section J</i>	<i>Tuesday, Thursday 12:30-1:45</i>	<i>S-412</i>	<i>F. Jamil</i>
<i>Section K</i>	<i>Tuesday, Thursday 12:30-1:45</i>	<i>S-413</i>	<i>Y.Abdia</i>

### **MATH 101: Pre-Calculus & Trigonometry**

**(3 credits)**

Fundamentals, equations and inequalities, Functions and graphs, polynomial, rational, exponential and logarithmic functions, Trigonometric functions and their graphs, Trigonometric identities, Solution of right and Oblique triangles. Matrices and their use in the solution of simultaneous equations. the solution of simultaneous equations.

<i>Section A</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>S-412</i>	<i>M. Asghar</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>S-412</i>	<i>M. Asghar</i>

### **MATH 102: Calculus-I**

**(3 credits)**

*Prerequisite: MATH-101 or A-Level Mathematics or Intermediate Mathematics*

Functions, graphs of functions, Translation, Stretching and compressing graphs, Lines, Limits, continuity, Differentiability and Integration with application, Introduction to definite integral, Introduction to parabola, Hyperbola and Ellipse.

<i>Section A</i>	<i>Tuesday, Thursday 11:05-12:20</i>	<i>S-412</i>	<i>Dr. A. M. Qureshi</i>
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## **PHILOSOPHY**

### **PHIL 101: Introduction to Philosophy**

**(3 credits)**

This course brings to the student a selection of the problems historically identified as philosophical along with the methods philosophers have used to solve these problems. Examples would be justice and moral order, evaluation and justification of belief human value and dignity. The emphasis is on identifying the problems that have bothered critical thinkers, followed by selective philosophical solutions and their authors

<i>Section A</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>E-121</i>	<i>Dr. M. M. Miller</i>
<i>Section B</i>	<i>Tuesday, Thursday 11:00-12:15</i>	<i>E-121</i>	<i>Dr. G. Irfan</i>

Section C      Monday, Wednesday, Friday 12:00      E-105      Dr. M. M. Miller

## **PHYSICS**

### **PHYS 100: Introduction to Physics**

**(4 credits)**

*Does not fulfill requirements of General Education for students who have studied physics at FSc, A-levels or equivalent*  
Scope of Physics, Kinematics and bodies in motion; communication, basic electricity medical physics and elements of astrophysics; laboratory: familiarization with measuring instruments and related experimentation.

Section A	Monday, Wednesday, Friday 8:00	S-007	Dr. P. J. Henderson
Lab	Monday 10:00-11:50	S-029	
Section B	Monday, Wednesday, Friday 9:00	S-007	Dr. S. Aslam
Lab	Tuesday 10:00-11:50	S-029	
Section C	Tuesday, Thursday 8:00-09:15	S-007	Dr. P. J. Henderson
Lab	Thursday 10:00-11:50	S-029	
Section D	Monday, Wednesday, Friday 10:00	S-109	Dr. S. Zaheer
Lab	Monday 2:00-03:50	S-016	
Section E	Tuesday, Thursday 8:00-09:15	S-109	Dr. S. Zaheer
Lab	Monday 8:00-09:50	S-029	

### **PHYS 102: General Physics II**

**(4 credits)**

*Prerequisite: PHYS 101 or Physics at Intermediate/A-Level*

Electricity, magnetism, DC and AC currents, and modern physics, laboratory

Section A	Monday, Wednesday, Friday 11:00	S-027	Dr. M. Y. Zaheer
Lab	Tuesday 2:00-3:50	S-027	

### **PHYS 103: Mechanics**

**(4 credits)**

*Prerequisite: PHYS 100 or FSc or A level physics or equivalent.*

*Study of physical phenomena in mathematical terms; Statics and dynamics of particles and rigid bodies; oscillatory and rotary motion; gravitation and fluid mechanics, Laboratory*

Section B	Monday, Wednesday, Friday 12:00	S-109	Dr. S. A. Shah
Lab	Monday 2:00-03:50	S-029	
Section C	Tuesday, Thursday 11:00-12:15	S-007	Dr. M. Y. Zaheer
Lab	Thursday 2:00-03:50	S-029	
Section D	Tuesday, Thursday 11:00-12:15	S-016	Dr. S. A. Shah
Lab	Wednesday 2:00-03:50	S-029	
Section E	Tuesday, Thursday 09:30-10:45	S-007	Dr. S. A. Shah
Lab	Friday 8:00-09:50	S-029	

### **PHYS 104: Waves and Vibrations**

**(3 credits)**

*Prerequisite: PHYS 100 or FSc or A level physics or equivalent.*

*Study of wave phenomena in mathematical terms, types of waves; mathematical representations; energy of waves; interference; diffraction and polarization.*

Section A	Monday, Wednesday, Friday 11:00	S-007	Dr. S. Aslam
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**PHYS 151: Introduction to Sources of Energy and Environment (3 Credits)**

**[Not recommended for first semester freshmen]**

*Survey of conventional energy recourses; fossil fuels including petroleum, natural gas, coal and tar sands; the promise and problems of nuclear energy; Alternative energy sources; wind, solar, bio-gas, tidal etc., energy conservation; environmental pollution and its global effects.*

Section A      Tuesday, Thursday 09:30-10:45      S-016      Dr. M. Gill

**POLITICAL SCIENCE**

**PLSC 101: Introduction to Political Science (3 credits)**

A survey of the areas covered in Political Science including the nature of Political Science, the nature and forms of the state, structure of government, political dynamics, and the development of an appropriate Political Science vocabulary.

Section A	Monday, Wednesday, Friday 9:00	S-111	S. N. Sindhu
Section B	Monday, Wednesday, Friday 10:00	S-111	S. N. Sindhu
Section C	Monday, Wednesday, Friday 11:00	S-111	Dr. E. Hussain
Section D	Tuesday, Thursday 9:30-10:45	S-111	A. W. Waheed
Section E	Monday, Wednesday, Friday 3:00	S-111	A. W. Waheed
Section F	Tuesday, Thursday 3:30-4:45	S-111	Dr. S. F. Hasnat

**PLSC 102: Pakistan Government-National (3 credits)**

A history of the freedom movement and study of the main institutions of the national government and what makes the Pakistan government unique.

Section A	Monday, Wednesday, Friday 9:00	S-112	Dr. M. Younis
Section B	Monday, Wednesday, Friday 12:00	S-112	A. W. Waheed

**PLSC 103: Pakistan Government-Provincial/Local (3 credits)**

A study of the government at the provincial and local level with an examination of the basic institutional arrangements of the provincial government. It will include discussion of provincial elections, political party organization, state public policy matters and a detailed exploration of the operation of government at these levels.

Section A	Monday, Wednesday, Friday 11:00	S-112	Dr. S. F. Hasnat
Section B	Tuesday, Thursday 2:00-3:15	S-112	Dr. S. F. Hasnat

## **PSYCHOLOGY**

### **PSYC 100: Introduction to Psychology**

**(3 credits)**

A survey of the historical background and subfields of Psychology, research methods, biological basis of behavior and psychological processes such as sensation, attention, perception, learning, memory, motivation, emotions, intelligence, thinking and personality.

<i>Section A</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>S-115</i>	<i>I. S. Samuel</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>S-115</i>	<i>R. Zahir</i>
<i>Section C</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>S-115</i>	<i>S. M. Khan</i>
<i>Section D</i>	<i>Monday, Wednesday 1:00, Friday 2:00</i>	<i>S-115</i>	<i>S. M. Khan</i>

## **RELIGIOUS STUDIES**

### **ISLM 101: Islamic Education**

**(3 credits)**

This course is intended to provide an introductory understanding of Islam. Students learn much about the Islamic way of life in this subject as they study about logical and rational vindication of their fundamental beliefs. The course is quite helpful in improving character traits, personality strengths and social manners in the light of Islamic teachings. By taking this course, students improve their inner conviction about their faith and are likely to become better Muslims. Basic emphasis is on ethical development and character building of the students.

<i>Section A</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>E-122</i>	<i>A. Rehman</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>E-122</i>	<i>A. Rehman</i>
<i>Section C</i>	<i>Monday, Wednesday, Friday 3:00</i>	<i>E-126</i>	<i>H. A. Ghani</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>E-126</i>	<i>Dr. F. Aziz</i>
<i>Section E</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>E-122</i>	<i>H. U. Rehman</i>
<i>Section F</i>	<i>Tuesday, Thursday 12:30-1:45</i>	<i>E-126</i>	<i>H. U. Rehman</i>
<i>Section G</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-122</i>	<i>H. U. Rehman</i>
<i>Section H</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>E-122</i>	<i>H. U. Rehman</i>
<i>Section J</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>E-126</i>	<i>Dr. F. Aziz</i>
<i>Section K</i>	<i>Tuesday, Thursday 2:00-3:15</i>	<i>E-126</i>	<i>H. A. Ghani</i>

### **ISLM 103: Islamic Ideology**

**(3 credits)**

Prerequisite: ISLM101

This course provides rigorous insight into the Islamic ideology and Islamic way of life. The course is a balanced combination of basic and higher order thinking. It provides ample opportunity to the participants to discuss Islamic ideology through different activities and explore the scope of its practical implication in real life. The course has especially been designed for students who wish to appear in competitive examinations.

<i>Section A</i>	<i>Monday, Wednesday, Friday 2:00</i>	<i>E-122</i>	<i>Dr. F. Aziz</i>
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**ISLM 104: Arabic Communication Skills**

**(3 credits)**

This subject aims to provide an introductory understanding of Arabic grammar and composition. It deals with the basic structure of Arabic language; everyday conversation, vocabulary enhancement, translation and composition.

*Section A Tuesday, Thursday 8:00-9:15 E-122 A. Rehman*

**CRST 152: Christian Ethics**

**(3 credits)**

This course presents the biblical and theological foundations of Christian ethics with a special emphasis on developing the skills necessary to formulate ethical questions and find their solutions in the Bible.

*Section A Monday, Wednesday, Friday 9:00 E-126 Dr. R. Wetmor*

**SOCIOLOGY**

**SOCL 100: Introduction to Sociology**

**(3 credits)**

This course aims to develop an understanding of societal processes by critically thinking about oneself in relation to the various social structures and worlds at the individual, group and societal levels. The global focus of the course uses the tools of Sociology to look at a variety of issues around the world. The course provides an opportunity to both learn about basic sociological approaches and to do some practical assignment that reinforce classroom learning.

<i>Section A</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>E-324</i>	<i>Dr. G. Clark</i>
<i>Section B</i>	<i>Tuesday, Thursday 8:00-9:15</i>	<i>E-324</i>	<i>S. Rasheed</i>
<i>Section C</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>E-324</i>	<i>A. Azeem</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>E-324</i>	<i>TBD</i>
<i>Section E</i>	<i>Monday, Wednesday, Friday 3:00</i>	<i>E-324</i>	<i>TBD</i>
<i>Section F</i>	<i>Tuesday, Thursday 12:30-1:45</i>	<i>E-324</i>	<i>TBD</i>

## **STATISTICS**

### **STAT 100: BASIC STATISTICS**

**(3 credits)**

Sample and population, variables, collection and presentation of data, measures of central tendency and dispersion for ungrouped data, Index numbers, correlation and free hand line of trend.

<i>Section A</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>S-421</i>	<i>M. A. Mughal</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 2:00</i>	<i>S-420</i>	<i>N. Mushtaq</i>
<i>Section C</i>	<i>Tuesday, Thursday 8:00-9:15</i>	<i>S-421</i>	<i>Dr. M. Azam</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>S-420</i>	<i>Dr. M. Aslam</i>
<i>Section E</i>	<i>Monday, Wednesday, Friday 3:00</i>	<i>S-421</i>	<i>N. Mushtaq</i>
<i>Section F</i>	<i>Tuesday, Thursday 2:00-3:15</i>	<i>S-421</i>	<i>S. Ayub</i>
<i>Section G</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>S-420</i>	<i>M. Aslam</i>
<i>Section H</i>	<i>Monday, Wednesday, Friday 03:00</i>	<i>S-420</i>	<i>S. Ayub</i>

### **STAT 101: Statistical methods**

**(3 credits)**

Nature and scope of statistics, scales of measurements, measure of central tendency and dispersion for grouped data, moments, skewness and kurtosis, fundamental rules of counting, Basic probability, moments in probability context.

<i>Section A</i>	<i>Tuesday, Thursday 2:00-3:15</i>	<i>S-420</i>	<i>N. Mushtaq</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 2:00</i>	<i>S-421</i>	<i>S. Ayub</i>
<i>Section C</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>S-420</i>	<i>Dr. M. Rasul</i>

### **STAT 102/MATH 105: Probability and Probability Distributions**

**(3 credits)**

Basic set theory. Different approaches and laws of probability. Conditional probability, Bayes' rule. Random variables, some standard discrete and continuous probability distributions

<i>Section A</i>	<i>Monday, Wednesday, Friday 12:00</i>	<i>S-420</i>	<i>Dr. M. Rasul</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 09:00</i>	<i>S-421</i>	<i>M. Aslam</i>

### **STAT 103: Quantitative methods in social sciences**

**(3 credits)**

Application of Statistical methods in Social Sciences. Data analysis using SPSS.

<i>Section A</i>	<i>Tuesday, Thursday 11:00-12:15</i>	<i>S-320</i>	<i>M. A. Mughal</i>
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## URDU

### **URDU 101: Communicative Urdu**

**(3 credits)**

Communication and its different means, brief introduction to Urdu language, some fundamentals of Urdu grammar, functional Urdu, creative writing and journalistic Urdu.

<i>Section A</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>E-328</i>	<i>Dr. A. M. Khan</i>
<i>Section B</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>E-328</i>	<i>Dr. A. A. Virk</i>
<i>Section C</i>	<i>Tuesday, Thursday 11:00-12:15</i>	<i>E-330</i>	<i>Dr. M. Tahir</i>
<i>Section D</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-328</i>	<i>Dr. A. A. Virk</i>
<i>Section E</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>E-330</i>	<i>Dr. A. M. Khan</i>
<i>Section F</i>	<i>Monday, Wednesday, Friday 11:00</i>	<i>E-330</i>	<i>Dr. A. G. S. Qasim</i>
<i>Section G</i>	<i>Monday, Wednesday 1:00, Friday 2:00</i>	<i>E-330</i>	<i>A. Anwar</i>
<i>Section H</i>	<i>Monday, Wednesday, Friday 10:00</i>	<i>E-330</i>	<i>Dr. M. Tahir</i>
<i>Section J</i>	<i>Monday, Wednesday, Friday 8:00</i>	<i>E-330</i>	<i>Dr. A. G. S. Qasim</i>
<i>Section K</i>	<i>Monday, Wednesday, Friday 9:00</i>	<i>E-328</i>	<i>Dr. M. Tahir</i>
<i>Section L</i>	<i>Monday, Wednesday 1:00, Friday 2:00</i>	<i>E-328</i>	<i>N. Khokhar</i>
<i>Section M</i>	<i>Tuesday, Thursday 12:30-1:45</i>	<i>E-328</i>	<i>A. Anwar</i>

### **URDU 103: A Selection of Urdu Verse**

**(3 credits)**

Ghazal: Ghalib, Mir and Iqbal; Nazam, Nazeer Akbar Abadi, Akbar Allah Abadi, Majeed Amjad and Syed Zamir Jafri.

<i>Section A</i>	<i>Tuesday, Thursday 8:00-9:15</i>	<i>E-328</i>	<i>Dr. A. M. Khan</i>
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### **URDU 104: A Selection of Urdu Prose**

**(3 credits)**

Letters: Ghalib; Essays: Sir Syed Ahmad Khan, Wazir Agha and Mushtaq Ahmad Yousfi; Short Story: Rrem Chand; Character Sketch: M. Abdul Haque; Extract of Travelogue: Begum Akhtar Riaz-ud-Din

<i>Section A</i>	<i>Tuesday, Thursday 9:30-10:45</i>	<i>E-328</i>	<i>Dr. A. G. S. Qasim</i>
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